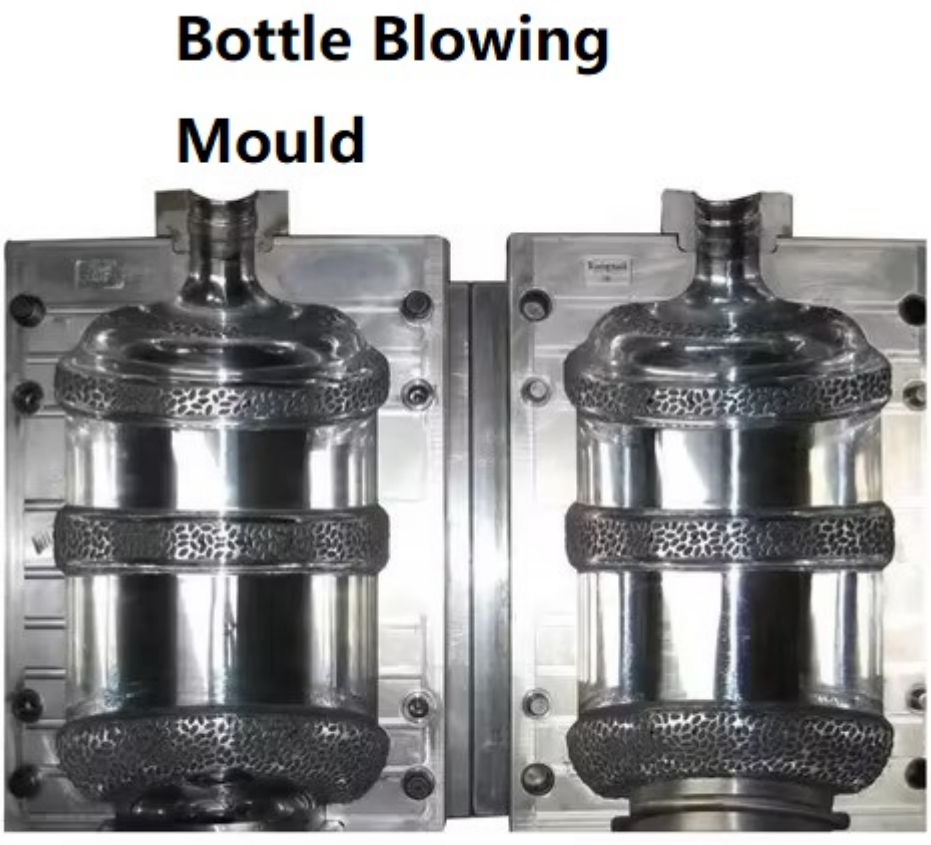
Taizhou Qihong Mold Co., Ltd. – Professional Preform Mould Manufacturing Solutions

1. Company Overview

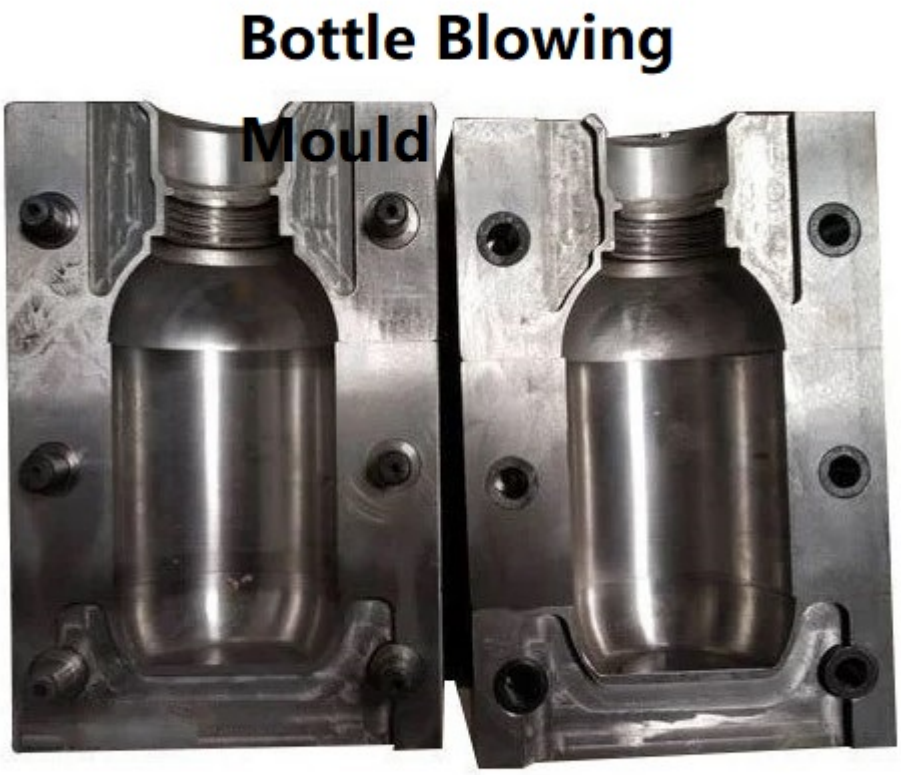
Taizhou Qihong Mold Co., Ltd. is a professional manufacturer specializing in the design, development, production, and supply of high-quality plastic injection molds for customers in China and international markets. Located in Taizhou, Zhejiang Province, China, the company operates in one of the country's important manufacturing regions and benefits from a mature industrial supply chain, skilled technical personnel, advanced processing capabilities, and extensive experience in precision mold manufacturing. With a strong focus on technical development, product consistency, manufacturing efficiency, and customer satisfaction, Qihong Mold has established itself as a reliable partner for businesses requiring dependable plastic molding solutions.

The company focuses particularly on molds used in the production of plastic preforms and related packaging components. Its product development philosophy combines practical engineering, precision manufacturing, material optimization, and application-oriented design. By understanding the requirements of different production environments, Qihong Mold is able to provide customized solutions for customers working in beverage packaging, edible oil packaging, household products, pharmaceutical packaging, personal care products, chemical containers, and other industries that depend on reliable plastic containers.



A modern plastic packaging operation requires more than simply producing a mold. Mold geometry, cavity configuration, cooling performance, material distribution, injection efficiency, cycle time, dimensional stability, and compatibility with downstream equipment all influence the final performance of a production system. Qihong Mold therefore approaches mold manufacturing as an integrated engineering process rather than an isolated machining activity.

From the initial product drawing and technical discussion to mold design, component processing, assembly, testing, and delivery, every stage is organized to achieve stable and repeatable production.



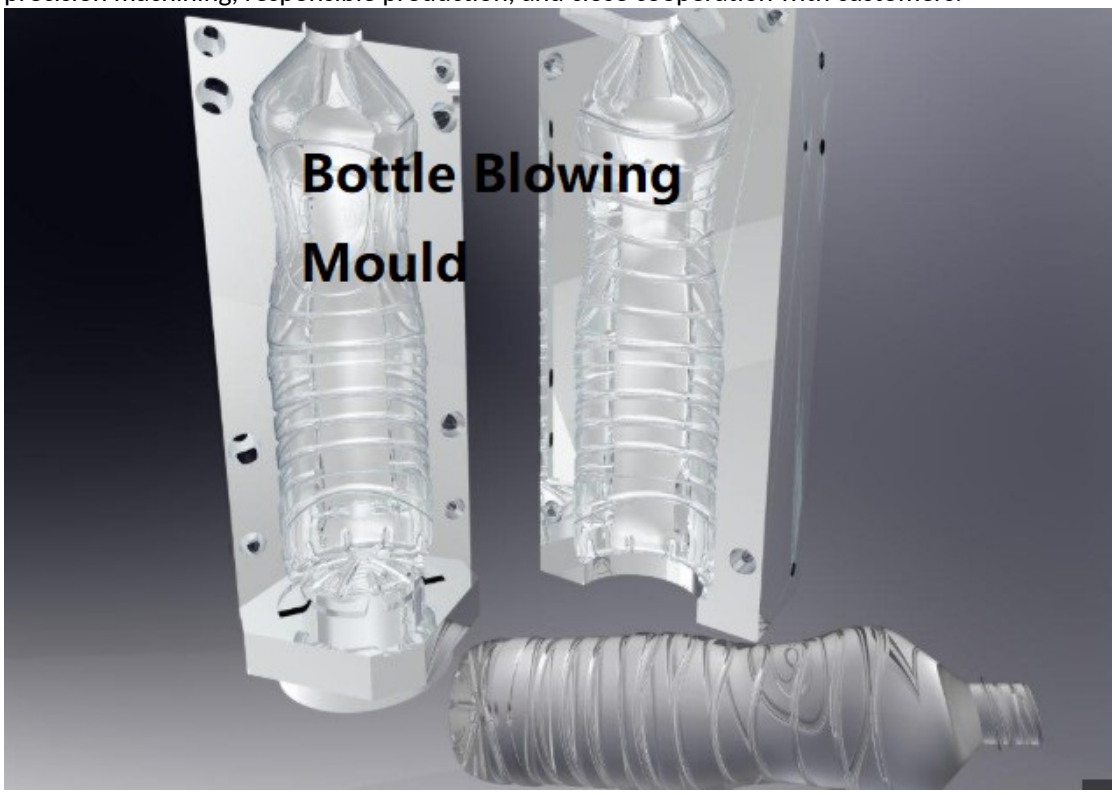
The company places great importance on communication with customers. Different markets and applications may require different mold structures, cavity numbers, neck finishes, weights, dimensions, materials, or production targets. Instead of applying a single standard solution to every project, Qihong Mold evaluates individual requirements and develops appropriate tooling according to the customer's product specifications and production conditions.

The company's development is supported by continuous investment in equipment, engineering capabilities, quality management, and manufacturing technology. Through long-term experience in the mold industry, the team has developed an understanding of the relationship between mold structure and production performance. This knowledge allows engineers to consider not only whether a mold can produce a qualified part, but also how the tooling can support efficient, stable, and economical production over an extended operating period.

Qihong Mold also recognizes that international customers require consistent communication and professional service. Technical drawings, specifications, production schedules, inspection requirements, packaging arrangements, and transportation details are handled with attention to customer expectations. The company aims to establish long-term cooperation with distributors, packaging manufacturers, injection molding companies, and other industrial customers around the world.

Today, Taizhou Qihong Mold Co., Ltd. continues to develop its manufacturing capabilities while maintaining its commitment to practical innovation and dependable quality. The company believes that successful mold manufacturing depends on a combination of technical knowledge,

precision machining, responsible production, and close cooperation with customers.



2. Product Range

Taizhou Qihong Mold Co., Ltd. provides a diverse range of mold solutions designed for plastic packaging and injection molding applications. The company's product portfolio is developed around the actual requirements of manufacturers who need accurate, durable, and production-oriented tooling.

The product range can be adapted to different plastic materials, container designs, production capacities, and equipment configurations. Customers may require tooling for different neck sizes, product weights, cavity arrangements, or packaging applications. Qihong Mold works with customers to understand these parameters before finalizing the mold structure.

2.1 Preform Mould Solutions

A Preform Mould is an important component in the production of PET packaging because the quality of the mold directly influences the dimensional consistency, weight distribution, surface appearance, and overall performance of the molded preform. During subsequent stretch blow molding, even relatively small differences in the preform can affect material distribution and the quality of the finished bottle.

For this reason, Qihong Mold pays close attention to cavity accuracy, core and cavity alignment, neck finish dimensions, gate design, cooling channels, mold opening and closing performance, and overall mechanical stability. The objective is to create tooling that can maintain consistent production performance across repeated cycles.

The company can develop mold configurations according to customer requirements, including different cavity quantities and product specifications. Mold components are manufactured with precision equipment to achieve the required dimensional tolerances. The design process considers the relationship between injection conditions and mold geometry so that the finished preforms can achieve stable quality during production.

An appropriately designed mold can help manufacturers reduce unnecessary production variation, improve cycle stability, and simplify quality management. It can also contribute to better utilization of raw materials because consistent preform weight and geometry make downstream bottle production more predictable.

2.2 Customized Plastic Injection Molds

In addition to preform-related tooling, Qihong Mold can provide customized plastic injection mold solutions for various plastic components. Every molded product has different requirements concerning shape, wall thickness, draft angle, material behavior, cooling, ejection, and production volume.

The engineering team evaluates these factors during the design stage. Product drawings and three-dimensional models can be reviewed to identify potential manufacturing challenges before machining begins. This approach helps reduce the possibility of design-related problems and allows important mold characteristics to be optimized in advance.

Customized molds may be developed for packaging components, closures, household products, industrial parts, and other injection-molded plastic products. The structure can be adjusted according to the customer's machine, material, production capacity, and quality requirements.

2.3 Multi-Cavity Mold Configurations

For high-volume manufacturing, cavity quantity is an important consideration. Multi-cavity tooling allows several identical products to be produced during a single injection cycle. When the mold is properly designed and balanced, this configuration can increase output while maintaining consistent product quality.

Qihong Mold considers runner balance, cooling distribution, cavity alignment, pressure distribution, and mechanical strength when developing multi-cavity tooling. The objective is to ensure that each cavity operates under comparable conditions.

The appropriate number of cavities depends on production requirements, available equipment, investment considerations, cycle time, and expected output. Therefore, mold configuration is discussed with customers according to their actual production plans rather than being selected solely according to theoretical capacity.

2.4 Packaging Industry Applications

Plastic packaging is one of the major application fields for precision injection molds. PET and other plastic materials are widely used because they combine relatively low weight with practical mechanical performance, transparency, chemical resistance, and flexible design possibilities.

Molds used in packaging production must support high production volumes and repeated operating cycles. Dimensional stability is especially important because packaging products often need to connect with caps, closures, filling equipment, labeling systems, and other components.

Qihong Mold designs its tooling with these production relationships in mind. By considering the entire packaging process, the company can help customers select mold structures that are compatible with their production objectives.

Packaging applications may include beverage containers, food and edible oil bottles, household containers, personal care packaging, pharmaceutical containers, and other plastic products.

Different applications require different material characteristics and product geometries, which makes customized mold engineering particularly important.

3. Advanced Mold Design and Manufacturing Process

The quality of a mold is determined by many interconnected factors. A well-designed product must be translated into an accurate mold structure, and that structure must then be manufactured and assembled with precision. Taizhou Qihong Mold Co., Ltd. follows a systematic process to transform customer requirements into finished tooling.

The process begins with technical communication. Customers may provide product drawings, samples, three-dimensional files, mold specifications, equipment information, cavity requirements, or other technical data. Engineers review these materials to understand the product and identify the critical dimensions that need particular attention.

The design stage is followed by mold structure development. Engineers consider cavity layout, parting surfaces, injection locations, cooling channels, ejection arrangements, guiding systems, and other mechanical components. The design must also take into account the properties of the selected plastic material.

Computer-aided design tools allow engineers to examine the mold structure before machining. Digital models can help identify interference, insufficient clearance, difficult machining areas, or potential assembly problems. This digital preparation provides a foundation for subsequent manufacturing operations.

After design approval, mold components are processed using precision machining equipment. Different components require different machining methods depending on their geometry and material. CNC machining, precision grinding, drilling, milling, and other processes can be combined to achieve the required dimensions and surface conditions.

Special attention is given to components that directly influence product quality. Core components, cavity components, neck areas, gate sections, and other precision parts need appropriate dimensional control. Manufacturing accuracy contributes directly to the repeatability of the final mold.

After machining, components undergo inspection before assembly. Measurements are compared with technical drawings and manufacturing requirements. Components that pass inspection proceed to the assembly stage, where skilled technicians carefully fit and adjust the mold.

Mold assembly requires both technical knowledge and practical experience. Even when individual components meet their dimensional specifications, their interaction within the complete mold must be checked. Alignment, movement, fitting, cooling connections, opening and closing behavior, and ejection performance all need to be verified.

After assembly, the mold may undergo trial testing. Trial production provides an opportunity to evaluate actual molding performance and identify issues that may not be visible during dimensional inspection alone. Engineers can observe product appearance, dimensional consistency, filling behavior, cooling performance, and cycle stability.

If adjustments are necessary, the mold can be refined before final delivery. This iterative process helps ensure that the finished tooling is suitable for the customer's intended production environment.

4. Precision Engineering and Material Selection

Material selection is a critical element of mold manufacturing. Injection molds operate under repeated mechanical, thermal, and pressure-related conditions. The selected steel and other materials must therefore provide suitable hardness, wear resistance, corrosion resistance, dimensional stability, and machinability.

Qihong Mold selects mold materials according to the requirements of individual applications. Different tooling projects may require different grades of steel depending on expected production volume, plastic material, mold structure, operating conditions, and customer requirements.

The company understands that material selection cannot be separated from mold design. A mold intended for long production cycles may require different material characteristics from a mold intended for short-run production. Similarly, areas exposed to repeated wear may require additional attention.

Heat treatment can also play an important role in achieving appropriate mechanical properties. Depending on the mold component and selected material, suitable heat treatment processes can improve hardness and dimensional stability.

Surface treatment may be considered for specific applications. A carefully selected surface condition can contribute to wear resistance, release performance, corrosion protection, and service life. However, the appropriate treatment depends on the actual application and must be evaluated as part of the complete mold system.

Precision engineering also requires careful consideration of thermal behavior. During injection molding, plastic material enters the cavity at elevated temperature and subsequently cools. Uneven cooling can lead to dimensional variation, deformation, longer cycles, or inconsistent product appearance.

For this reason, cooling channel design is an important part of mold development. Engineers seek to distribute cooling efficiently around critical areas while maintaining a practical and serviceable mold structure.

In high-volume packaging production, cooling efficiency can have a significant influence on overall productivity. A stable cooling system can help shorten cycle times while supporting product consistency. Therefore, Qihong Mold treats cooling design as an integral engineering consideration rather than an afterthought.

5. Quality Control and Inspection

Quality control is central to the manufacturing philosophy of Taizhou Qihong Mold Co., Ltd. Mold production involves many precision components, and a small dimensional error in one area can influence the operation of the entire tool. For this reason, quality management begins with incoming materials and continues through design, machining, assembly, testing, and final inspection.

Raw materials are reviewed according to project requirements. Material identification and documentation help ensure that the selected steel or other components correspond with the intended specifications.

During machining, production personnel monitor important dimensions and processing conditions. Precision components are inspected at appropriate stages instead of waiting until the

entire mold has been assembled. Early inspection can help identify deviations and prevent them from being transferred to later stages.

Dimensional inspection is particularly important for components such as cores, cavities, inserts, guide components, and other precision parts. Measurement equipment is used to verify critical dimensions and relationships.

Assembly inspection focuses on the interaction between components. The mold should open and close smoothly, moving parts should operate correctly, and the alignment system should provide stable positioning. Cooling and injection-related connections must also be checked.

Trial testing is another important part of quality assurance. A mold may meet dimensional specifications while still requiring practical adjustment under actual injection conditions. Trial production provides information about filling, cooling, ejection, product appearance, and repeatability.

Engineers use test results to determine whether modifications are necessary. Adjustments may involve polishing, fitting, cooling optimization, gate-related changes, or other technical refinements.

Final inspection is performed before shipment. The finished mold is checked against the approved specifications and customer requirements. Packaging is also arranged carefully to protect the tooling during transportation.

The purpose of this quality control system is not merely to identify defects. It is designed to build quality into every stage of production. By controlling processes from the beginning, the company can reduce risks and provide customers with more reliable tooling.

6. Research and Development

Research and development are important elements of the long-term growth strategy of Taizhou Qihong Mold Co., Ltd. The plastic packaging industry continues to change as manufacturers seek lighter products, faster production cycles, improved material utilization, more complex designs, and greater production efficiency.

These changes create new requirements for molds. Tooling must adapt to different product designs and production conditions while continuing to provide consistent performance.

Qihong Mold therefore pays attention to technological development and practical engineering improvements. Engineers study mold structures, processing methods, material characteristics, cooling arrangements, injection systems, and other factors that influence production.

One area of continuing attention is the optimization of mold cycle performance. In high-volume manufacturing, even a small improvement in cycle efficiency can have a meaningful effect on annual production capacity. Cooling performance, mold movement, filling efficiency, and ejection stability all contribute to cycle optimization.

Another area is material efficiency. Packaging manufacturers increasingly focus on reducing product weight while maintaining required strength and performance. This trend places greater demands on mold precision because thinner and lighter products may be more sensitive to variations in processing conditions.

Accurate mold geometry can help manufacturers maintain consistent wall thickness and product dimensions. As packaging designs become lighter and more sophisticated, engineering accuracy

becomes increasingly important.

Qihong Mold also considers the maintainability of tooling during development. A mold is not simply used once; it may operate through a large number of production cycles. Components that experience wear need to be accessible for inspection and replacement when appropriate.

A practical mold design can therefore contribute to lower maintenance complexity and more predictable production management. Engineers seek to balance precision, performance, durability, and serviceability when developing new solutions.

7. Application in Beverage and Food Packaging

The beverage industry is one of the major users of PET packaging. Bottles for drinking water, carbonated beverages, juice, tea, sports drinks, and other products are manufactured in very large quantities. The production systems used in these industries require reliable and repeatable tooling.

A preform is the intermediate product from which the final bottle is produced through stretch blow molding. Its dimensions, weight, neck finish, and material distribution influence the subsequent bottle-forming process.

For beverage packaging manufacturers, stable production is essential. Production lines often operate for extended periods, meaning mold performance must remain consistent over many cycles.

Qihong Mold develops tooling with the requirements of high-volume packaging production in mind. The engineering process considers cavity balance, cooling, product dimensions, injection behavior, and mold durability.

Food and edible oil packaging also requires careful mold engineering. Different containers may have different wall thicknesses, neck finishes, shapes, and capacities. The tooling must therefore be adapted to each product design.

Food packaging manufacturers may also place additional emphasis on cleanliness, product consistency, and material compatibility. Mold surfaces and components need to be manufactured and maintained appropriately for the intended application.

By providing application-oriented tooling, Qihong Mold supports manufacturers seeking to produce reliable packaging products efficiently.

8. Application in Household and Personal Care Products

Plastic containers are widely used in household cleaning products, cosmetics, personal care products, detergents, shampoos, liquid soaps, and related consumer goods. These products often require packaging with attractive shapes, precise closures, and consistent surface quality.

Mold design plays an important role in achieving these characteristics. A container may include curves, handles, neck threads, decorative features, or other details that require careful tooling development.

The appearance of the finished product is also important in consumer packaging. Surface defects, uneven filling, visible marks, or dimensional inconsistencies can affect the visual quality of the package.

Qihong Mold considers product appearance as well as functional performance during mold development. Engineers review the product geometry and identify areas where mold design may influence surface quality.

For closures and other connecting components, dimensional accuracy is particularly important. The molded component may need to work together with another plastic or metal part, and the dimensional relationship between components must remain stable.

Customized tooling allows manufacturers to develop packaging that meets both functional and marketing requirements. Qihong Mold supports customers by translating product concepts into practical mold structures suitable for mass production.

9. Application in Pharmaceutical and Chemical Packaging

Pharmaceutical packaging requires a high level of dimensional consistency because containers and closures often need to maintain specific functional relationships. Bottles, jars, caps, and other plastic components may need to meet precise dimensional requirements.

Chemical packaging can also place additional demands on materials and container design. Depending on the contents, the plastic product may need to resist certain chemicals or environmental conditions.

The mold itself must be designed to produce the intended product consistently. Important areas such as neck dimensions, sealing surfaces, threads, and container geometry require careful control.

Qihong Mold works with customers to understand the requirements of different applications before developing tooling. Product drawings, material information, equipment conditions, and production targets can all influence the final design.

For industrial packaging, production efficiency is also an important consideration. Manufacturers need tooling that can support stable output without unnecessary downtime. Mold durability, maintenance accessibility, and component reliability therefore become important elements of the engineering process.

10. Customized Engineering Services

Not every customer needs the same mold. Some manufacturers have existing production equipment and require tooling that fits specific machine dimensions. Others may be developing a new product and need assistance transforming a product concept into a manufacturable mold.

Qihong Mold provides technical communication throughout the project. Customers can provide drawings, samples, product data, or other available information. Engineers then review the requirements and discuss appropriate mold configurations.

Customization may involve cavity quantity, product dimensions, neck finish, material selection, cooling configuration, mold base dimensions, injection system, or other characteristics.

The company believes that effective communication before manufacturing can prevent many problems later. Clear technical confirmation allows both sides to establish expectations concerning product quality, mold structure, delivery schedule, and testing requirements.

For overseas customers, detailed communication is especially important because tooling is often manufactured remotely. Drawings, digital files, photographs, inspection information, and testing

feedback can help maintain transparency throughout the project.

The company also supports customers when modifications are required. If product designs change or production conditions are adjusted, the mold may need to be updated accordingly. Technical consultation helps customers determine the most practical solution.

11. Manufacturing Equipment and Production Capabilities

Precision mold manufacturing requires suitable equipment. Qihong Mold continues to improve its production capabilities by using modern machining and inspection technologies.

CNC machining equipment provides controlled and repeatable processing for mold components. Precision milling can be used for complex geometries, while grinding processes help achieve accurate dimensions and suitable surface conditions.

Electrical discharge machining and other specialized processes may be used for areas that are difficult to manufacture through conventional cutting methods. The appropriate process is selected according to the geometry and material of each component.

Measurement equipment is equally important. Manufacturing accuracy cannot be confirmed without reliable inspection. Dimensional measurement and component verification are integrated into the production process.

The combination of machining equipment, inspection technology, engineering experience, and skilled personnel allows the company to manage different mold projects according to their technical requirements.

Production planning is also important. Mold manufacturing includes multiple stages, and each stage must be coordinated with the next. Design approval, material preparation, machining, heat treatment, surface treatment, inspection, assembly, testing, and final preparation all need to be organized efficiently.

A systematic production process helps reduce unnecessary delays and improves project visibility. Customers can receive clearer information about production progress and expected delivery.

12. Mold Maintenance and Long-Term Performance

A mold represents an important investment for a manufacturer. Once installed on a production machine, it may be expected to operate for a significant number of cycles. Proper maintenance therefore plays an important role in preserving mold performance.

Regular cleaning can help remove material residue and contaminants. Cooling channels should also be monitored because deposits or blockages can reduce cooling efficiency.

Moving components require appropriate attention because repeated operation can cause wear over time. Guide systems, ejector components, and other moving parts should be inspected according to the production environment.

Wear does not necessarily mean that an entire mold needs to be replaced. In many cases, individual components can be repaired or replaced. This is why maintainable mold construction is valuable.

Qihong Mold considers maintenance requirements during the engineering stage. Components that are likely to require future service can be designed with practical accessibility in mind.

Customers can also establish maintenance schedules according to their production volume and operating conditions. Preventive maintenance may help reduce unexpected downtime and protect the long-term performance of the tooling.

13. Production Efficiency and Cost Considerations

Manufacturers increasingly focus on total production cost rather than simply the initial price of a mold. A tooling solution should be evaluated according to its influence on productivity, product consistency, maintenance, material utilization, and operating efficiency.

A properly engineered mold can contribute to production efficiency in several ways. Stable cavity performance can reduce rejected products, efficient cooling can support shorter cycles, and reliable mechanical movement can reduce interruptions.

For multi-cavity production, balanced filling and consistent cooling are particularly important. If one cavity behaves differently from another, production variation may increase. Engineering attention to balance can therefore contribute to more consistent output.

Material utilization is another consideration. Consistent product weight helps manufacturers monitor raw material consumption and maintain production targets. In large-scale operations, small differences repeated across millions of products can have a significant financial impact.

Maintenance also contributes to total cost. A mold that can be inspected and serviced efficiently may reduce downtime and simplify long-term management.

Qihong Mold therefore approaches cost from a broader perspective. The objective is not simply to minimize initial tooling expenditure, but to develop a mold that provides practical value throughout its operating life.

14. Customer Satisfaction and Technical Support

Customer satisfaction is an important part of the company's business philosophy. Mold manufacturing is a technical service as well as a manufacturing activity. Customers expect suppliers to understand their requirements and provide support throughout the project.

Communication begins before production. Engineers discuss product specifications, mold configuration, equipment conditions, cavity quantity, materials, and other technical parameters.

During manufacturing, customers may receive project updates according to the agreed communication process. Photographs, drawings, inspection information, and testing feedback can be shared when required.

After mold completion, technical support may continue through installation, trial production, and adjustment. If customers encounter questions during commissioning, the engineering team can communicate with them to identify possible causes and recommend appropriate solutions.

This approach helps create long-term relationships instead of focusing only on individual orders. A successful mold project can become the foundation for future cooperation when customers develop new products or expand production capacity.

Qihong Mold values professional communication because it recognizes that customer requirements can vary significantly between markets. Different countries may have different packaging designs, production equipment, quality expectations, and technical standards.

The company's service approach is therefore based on flexibility, responsiveness, and practical engineering.

15. Global Market Development

China has developed a strong manufacturing infrastructure for plastic products and mold production, allowing Chinese mold manufacturers to serve customers around the world. Taizhou Qihong Mold Co., Ltd. takes advantage of this industrial environment while focusing on international cooperation.

Export-oriented mold projects require careful attention to packaging and transportation. Molds are precision products, and their components must be protected against impact, moisture, contamination, and other risks during shipping.

Before shipment, the mold is inspected and prepared according to the project requirements. Protective packaging helps maintain the condition of the tooling during transportation.

International customers may also require different documentation, specifications, or communication procedures. Qihong Mold works with customers to coordinate these requirements.

The company's goal is to build a stable international customer base through dependable product quality and professional service. Rather than focusing solely on short-term sales, the company seeks long-term relationships with packaging manufacturers, injection molding companies, distributors, and industrial partners.

Global cooperation also provides opportunities for technical learning. Different customers may introduce new packaging designs, production requirements, and manufacturing challenges. These experiences contribute to the company's continuing development.

16. Innovation in Plastic Packaging Tooling

The plastic packaging industry continues to evolve. Consumers increasingly expect packaging that is lightweight, convenient, attractive, and functional. Manufacturers must respond to these expectations while controlling production costs and improving efficiency.

These trends influence mold development. Lightweight packaging often requires more accurate control of product geometry. Complex shapes may require more sophisticated cavity structures. High-volume production places greater emphasis on cycle time and mold durability.

Qihong Mold follows these industry developments and considers them when developing new tooling solutions.

Another important trend is the increasing emphasis on resource efficiency. Manufacturers seek to reduce material usage and energy consumption where practical. Mold performance can contribute to these objectives through efficient cooling, stable production, and consistent product weight.

Digital engineering is also becoming increasingly important. Three-dimensional design, computer-assisted analysis, digital inspection, and modern machining technology can improve the efficiency of mold development.

By combining digital tools with practical manufacturing experience, the company can improve

design verification and reduce production risks.

17. Environmental Responsibility

Environmental considerations are becoming increasingly important across the manufacturing industry. Plastic products can provide practical benefits such as low weight, durability, and efficient transportation, but responsible manufacturing requires attention to material use, energy consumption, waste management, and production efficiency.

Qihong Mold recognizes that mold manufacturing can contribute to more efficient plastic production. Accurate tooling can help reduce rejected products and maintain consistent product weight. Efficient cooling and production processes can also support energy-conscious manufacturing.

The company seeks to minimize unnecessary material waste during machining and production. Reusable or recyclable metal materials are handled appropriately, while production planning helps reduce avoidable processing losses.

Environmental responsibility is not limited to a single production process. It can also be reflected in product design. As packaging manufacturers develop lighter products, precise molds become increasingly important for maintaining structural performance with reduced material consumption.

Through continuous technical improvement, Qihong Mold aims to support customers in achieving more efficient production while maintaining the required product quality.

18. Professional Team and Manufacturing Experience

Behind every mold is a combination of engineering knowledge, machining skill, inspection experience, and practical problem-solving. Qihong Mold relies on a professional team to manage these different aspects of production.

Design engineers focus on product requirements and mold structures. Machining personnel are responsible for accurate component manufacturing. Assembly technicians ensure that individual components function correctly as a complete system. Quality personnel inspect components and finished tooling.

Teamwork is particularly important because mold manufacturing involves many interconnected processes. A change made during design can influence machining, and a machining limitation can affect assembly. Effective communication between departments helps ensure that the final product reflects the approved design.

Experience also plays an important role. Mold engineers often need to identify potential problems before they appear during trial production. Practical knowledge can help determine whether a certain structure is easy to machine, maintain, cool, assemble, or operate.

Qihong Mold continues to develop its team through practical experience and technical improvement. The company believes that investment in people is as important as investment in equipment.

19. Quality-Oriented Manufacturing Philosophy

Quality is not limited to the appearance of a finished mold. A quality-oriented mold should provide stable production performance, appropriate durability, predictable maintenance

requirements, and consistent product output.

Qihong Mold therefore evaluates tooling from a production perspective. Engineers consider how the mold will be installed, operated, maintained, and tested.

The company also understands that quality expectations may differ depending on application. A packaging manufacturer producing millions of bottles may prioritize cycle stability and cavity consistency, while a smaller industrial customer may place greater emphasis on customization and flexibility.

The engineering solution must therefore be aligned with the customer's actual production goals.

Attention to detail is maintained throughout the manufacturing process. From steel preparation to component machining and final assembly, each stage contributes to the final result.

The company aims to provide tooling that customers can confidently integrate into their production systems.

20. Future Development

Looking toward the future, Taizhou Qihong Mold Co., Ltd. plans to continue strengthening its technical capabilities, manufacturing efficiency, product development, and international service.

The plastic packaging industry is likely to continue demanding lighter products, higher production efficiency, more complex designs, and improved material utilization. These trends will create new opportunities for mold manufacturers with strong engineering capabilities.

Qihong Mold intends to continue investing in modern equipment and digital manufacturing technologies. Improving machining accuracy, inspection efficiency, design capabilities, and production management can help the company respond to increasingly demanding projects.

The company also plans to expand cooperation with customers in international markets. Through professional communication and dependable tooling, Qihong Mold aims to establish long-term partnerships with manufacturers across different regions.

Future development will remain centered on customer requirements. New technologies are valuable only when they provide practical improvements in product quality, production efficiency, serviceability, or overall value.

For this reason, the company will continue combining technological development with practical manufacturing experience.

21. Why Choose Taizhou Qihong Mold Co., Ltd.

Choosing a mold supplier is an important decision because tooling can influence production performance for many years. Customers need a supplier capable of understanding technical requirements, manufacturing precision components, controlling quality, and providing support when necessary.

Taizhou Qihong Mold Co., Ltd. offers an integrated approach that covers design, manufacturing, inspection, assembly, testing, and customer communication.

The company's strengths include experience in plastic packaging tooling, precision manufacturing capabilities, customized engineering, attention to quality, and a strong focus on customer

requirements.

Another important advantage is the company's ability to work with different production requirements. Customers may have different machines, product specifications, cavity quantities, materials, and production targets. Customized engineering allows the mold to be developed according to these conditions.

The company also understands the importance of long-term service. A mold is not simply delivered and forgotten. Installation, commissioning, maintenance, modification, and technical support may all become important during its operating life.

By maintaining communication with customers, Qihong Mold seeks to provide value throughout the complete project lifecycle.

22. Building Long-Term Partnerships

Long-term cooperation is an important objective for Taizhou Qihong Mold Co., Ltd. A successful relationship between a mold manufacturer and a customer is built on trust, communication, quality, and consistent service.

When a customer develops a new packaging product, the mold supplier may become involved at an early stage. By understanding the product requirements and production objectives, engineers can help develop practical tooling solutions.

After the initial project is completed, future cooperation may include additional cavities, new product designs, replacement components, mold modifications, or new tooling for expanded production.

This creates a partnership model in which the supplier becomes familiar with the customer's equipment, production processes, and quality expectations. Over time, communication can become more efficient and technical development can become more collaborative.

Qihong Mold values this type of cooperation because it provides opportunities for both sides to improve. Customer feedback can contribute to product development, while engineering improvements can provide customers with more efficient manufacturing solutions.

The company therefore welcomes opportunities to work with customers who value quality, technical cooperation, and long-term development.

23. Conclusion

Taizhou Qihong Mold Co., Ltd. is a professional mold manufacturer committed to providing reliable and customized tooling solutions for plastic packaging and injection molding applications. Based in Taizhou, Zhejiang Province, the company benefits from China's strong manufacturing infrastructure while serving customers with a focus on precision engineering, quality control, practical innovation, and customer satisfaction.

From product design and mold development to machining, assembly, testing, inspection, packaging, and after-sales communication, Qihong Mold follows a comprehensive approach to mold manufacturing. The company understands that modern plastic production requires more than basic tooling. Manufacturers need molds that can support consistent quality, efficient production, predictable maintenance, and long-term operation.

The company's expertise in precision packaging molds enables it to address the requirements of

beverage, food, household, personal care, pharmaceutical, chemical, and industrial applications. Through customized design and careful manufacturing, the company works to provide tooling that matches the customer's product specifications and production conditions.

A Preform Mould must perform consistently under repeated injection cycles, and factors such as cavity accuracy, cooling efficiency, dimensional stability, material selection, and assembly quality all contribute to its overall performance. Qihong Mold pays attention to these details throughout the manufacturing process and uses engineering experience to develop practical solutions for different production requirements.

As the plastic packaging industry continues to evolve, manufacturers will increasingly need tooling that supports lightweight product development, higher production efficiency, improved material utilization, and stable mass production. Qihong Mold is committed to following these developments and continuously improving its technical and manufacturing capabilities.

The company also recognizes that successful international cooperation depends on more than product quality. Clear communication, reliable delivery, professional technical support, and responsive service are essential for building lasting customer relationships. By maintaining these principles, Qihong Mold aims to become a dependable manufacturing partner for customers in China and overseas markets.

Whether customers are developing a new plastic packaging product, expanding an existing production line, improving tooling performance, or seeking customized mold solutions, Taizhou Qihong Mold Co., Ltd. is prepared to provide technical support and manufacturing services based on specific project requirements.

With continued investment in precision manufacturing, research and development, quality management, and customer service, Taizhou Qihong Mold Co., Ltd. looks forward to creating greater value for customers and contributing to the development of modern plastic packaging manufacturing.

For more information about the company's products, manufacturing capabilities, and customized mold solutions, please visit https://www.qhpreformmould.com/